

# PROCEDURE FOR CALIBRATING, STANDARDIZING OR CHECKING EQUIPMENT

Original 12/96, Revised 8/21/2008, 5/11

## PROCEDURE #5

### Equipment Checked:

MOLDS (4" and 6" Proctor)

T 99, T 180, SD 104

### Purpose:

To provide instructions for checking the volume, mass and critical dimensions of mold.

### Inspection Equipment Required:

1. Caliper readable to 0.0005" (0.01 mm).
2. Glass plates capable of covering the top of the mold being checked.
3. Feeler gauge 0.005" (0.13 mm) thick.
4. Thermometer

### Tolerance:

The height and diameter of the molds shall meet the tolerances listed in the test methods shown above.

Molds out of tolerance by less than 50% of the tolerance (0.016" (0.41 mm) for diameter of 4" molds, 0.026" (0.66 mm) for diameter of 6" molds and 0.005" (0.13 mm) for height of both molds) can be checked by T 19 Section 8.

### Procedure:

1. Measure and record the inside diameter of the mold in four equally spaced places. Average the four measurements and record the average inside diameter of the mold. The average must meet the specifications tolerance. All measurements are recorded to the nearest 0.001" (0.025 mm).
2. Measure and record the height of the mold in four equally spaced places. Average the four measurements and record the average height. The average must meet the specifications tolerance. All measurements are recorded to the nearest 0.001" (0.025 mm).
3. Record the volume and the date on the outside of the measure.